WHAT IS THE ROLE OF THE MULTI-PURPOSE CANISTER IN THE WASTE MANAGEMENT SYSTEM?

Answer the following questions as you read the lesson *The Role of the Multi-Purpose Canister in the Waste Management System.*

1. What is a multi-purpose canister (MPC)?

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2. How is spent fuel presently stored at reactor sites?

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3. How would an MPC be used in DOE's waste management system?

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4. List at least two advantages and /or disadvantages the MPC offers to spent fuel management.

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5. The MPC is designed to be shipped by rail from the different sites where spent fuel is stored. How does the waste management system ensure that it will satisfy those needs?

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6. How might the MPC be handled at a geologic repository?

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7. The Nuclear Regulatory Commission (NRC) regulations require that the MPC design meet specific standards. List as many NRC requirements as you can.

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8. If DOE decides to use the MPC, when is it projected to be available for storage at a reactor site? When is the transportation cask projected to be ready?

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9. The MPC will cost more than other storage canister designs. How would additional costs be offset?

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10. Who are the stakeholders in a decision to use the MPC? What are the concerns of each?

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